

DECLARATION  
and POWER OF ATTORNEY☒ ORIGINAL  
☐ CONTINUATION  
☐ DIVISIONAL

09/703558

As a below named inventor, I declare that the information given herein is true, that I believe that I am the original, first and sole inventor (if only one name is listed as 1 below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **ENCRYPTION METHOD, CRYPTOGRAPHIC COMMUNICATION METHOD, CIPHERTEXT GENERATING DEVICE AND CRYPTOGRAPHIC COMMUNICATION**  
the specification of which is attached hereto unless the following box is checked: **SYSTEM OF PUBLIC-KEY CRYPTOSYSTEM**

☐ was filed on \_\_\_\_\_ as United States Application Number or PCT International Application Number \_\_\_\_\_  
and was amended on \_\_\_\_\_

My residence, post office address and citizenship are as stated below next to my name.

I acknowledge my duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations § 1.56(a). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

## PRIOR FOREIGN APPLICATION(S)

COUNTRY	APPLICATION NUMBER	DATE OF FILING Month Day Year	PRIORITY CLAIMED UNDER 35 U.S.C. 119
Japan	11-314372	11/4/1999	YES
Japan	11-314371	11/4/1999	YES

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

(Application Serial No.)

(Filing Date)

(Status)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or Agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

STUART LUBITZ, Reg. No. 20,680; LOUIS A. MOK, Reg. No. 22,585; JOHN P. SCHERLACHER, Reg. No. 23,009; WILLIAM H. WRIGHT, Reg. No. 36,312; DAVID LUBITZ, Reg. No. 38,229; WEI-NING YANG, Reg. No. 38,690; ALFRED A. D'ANDREA, JR., Reg. No. 27,752; WILLIAM J. KUBIDA, Reg. No. 29,664; STUART T. LANGLEY, Reg. No. 33,940; MICHAEL BYORICK, Reg. No. 34,131; CAROL W. BURTON, Reg. No. 35,465; STEVEN C. PETERSON, Reg. No. 36,238; STEVEN K. BARTON, Reg. No. 36,445; SARAH S. O'ROURKE, Reg. No. 41,226; E. MATTHEW G. DYOR, Reg. No. 42,278.

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213-337-6700

(Please Print)

1	Name of Inventor <b>Masao KASAHARA</b>	Residence: CITY <b>Mino-shi</b>	STATE or COUNTRY <b>Osaka, Japan</b>
	Post Office Address <b>15-3, Aogeiin 4-chome, Mino-shi, Osaka 562-0025, Japan</b>		CITIZENSHIP <b>Japanese</b>
2	Name of Inventor <b>Yasuyuki MURAKAMI</b>	Residence: CITY <b>Kyoto-shi</b>	STATE or COUNTRY <b>Kyoto, Japan</b>
	Post Office Address <b>39-13, Karahashi Nishihiragaki-cho, Minami-ku, Kyoto-shi, Kyoto 601-8468, Japan</b>		CITIZENSHIP <b>Japanese</b>
3	Name of Inventor	Residence: CITY	STATE or COUNTRY
	Post Office Address		CITIZENSHIP
4	Name of Inventor	Residence: CITY	STATE or COUNTRY
	Post Office Address		CITIZENSHIP

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 1 <i>Masao Kasahara</i>	SIGNATURE OF INVENTOR 2 <i>Yasuyuki Murakami</i>
DATE <b>October 23, 2000</b>	DATE <b>October 23, 2000</b>
SIGNATURE OF INVENTOR 3	SIGNATURE OF INVENTOR 4
DATE	DATE

RECORDATION FORM COVER LETTER  
**PATENTS ONLY**

Attorney Docket No.: 81942.0002

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yasuyuki MURAKAMI

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

MURATA MACHINERY LTD.  
136 Takeda, Mukaishiro-cho,  
Fushimi-ku, Kyoto 612-8686, Japan

and

Masao KASAHARA  
15-3, Aogetin 4-chome, Mino-shi,  
Osaka 562-0025, Japan

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

Execution Date: October 23, 2000

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: October 23, 2000

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Louis A. Mok, Esq.  
HOGAN & HARTSON L.L.P.  
500 South Grand Avenue, Suite 1900  
Los Angeles, CA 90071

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40.00 OP

6. Total number of applications and patents involved: [ 1 ]

7. Total fee (37 CFR 3.41) \$40.00

☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number:

50-1314

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Louis A. Mok

Date: November 1, 2000

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents  
Box Assignments  
Washington, D.C. 20231

1c922 U.S. PTO  
09/703550  
11/01/00

## ASSIGNMENT

Masao KASAHARA, a citizen of Japan, residing at 15-3, Aogei 4-chome, Mino-shi, Osaka 562-0025, Japan; Yasuyuki MURAKAMI, a citizen of Japan, residing at 39-13, Karahashi Nishihiragaki-cho, Minami-ku, Kyoto-shi, Kyoto 601-8468, Japan, hereinbelow called "Assignors", have made a certain invention in "ENCRYPTION METHOD, CRYPTOGRAPHIC COMMUNICATION METHOD, CIPHERTEXT GENERATING DEVICE AND CRYPTOGRAPHIC COMMUNICATION SYSTEM OF PUBLIC-KEY CRYPTOSYSTEM" described in the specification executed by us on an even date herewith preparatory to applying for Letters Patent therefor; and

WHEREAS, MURATA MACHINERY LTD., a corporation organized and existing under and by virtue of the laws of the State of Japan, and having offices and doing business at 136 Takeda, Mukaishiro-cho, Fushimi-ku, Kyoto 612-8686, Japan and elsewhere, and said Masao KASAHARA, hereinbelow called "Assignees", are desirous of securing the entire right, title and interest in and to the said invention, application and Letters Patent, when granted, and in and to any divisions, continuations, improvements, reissues or extensions that may be made or granted thereon;

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by the said Assignees, and other good and valuable consideration, the receipt of all of which is hereby acknowledged, the said Assignors have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over unto each of the said Assignees, their successors and assigns, an undivided fifty percent (50 %) interest in the entire right, title and interest throughout the world in and to the said invention, application and Letters Patent, when granted, and in and to any divisions, continuations, improvements, reissues or extensions that may be made or granted on any of them;

TO HAVE AND TO HOLD the same to the full end of the term or terms for which said Letters Patent may be granted, as fully and completely as the same might be held by me had this sale and assignment not been made.

For the consideration aforesaid, I hereby covenant and agree to and with the said Assignees, their successors and assigns, that whenever their counsel or representative, or the counsel or representative of their successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with said application or invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of said Letters Patent is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or continuation or extension of the same, and will do all acts necessary or required to secure to the said Assignees, their successors, and assigns, the title to and full benefit of all rights hereby assigned, without charge to said Assignees or their successors or assigns, but at their expense:

AND the Commissioner of patents and Trademarks is requested to issue the said Letters Patent, when granted, in accordance with this sale and

assignment.

For the consideration aforesaid, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto the said Assignees, their successors, and assigns, or the nominees of any of them, the entire right, title and interest in and to any and all Letters Patent for said invention, which may be granted in countries foreign to the United States, and in and to any applications for Letters Patent, which may be filed for said invention in countries foreign to the United States, and in and to the invention described in said applications; and we hereby authorize and empower said Assignees and their successors, assigns or nominees to apply for Letters Patent or other form of protection on said invention in their own name or in the name of their successors, assigns or nominees, in any or all countries where they may desire to file such application, and where said application may be filed by another than the inventor; and we hereby covenant and agree to sign all papers and drawings, take all rightful oaths, execute all rightful affidavits, and do all acts necessary or required to be done for the procurement and maintenance of Letters Patent or other form of protection for said invention in countries foreign to the United States, and for further investing or confirming the right and title thereto in the Assignees, their successors, assigns or nominees, without charge to said Assignees, their successors, assigns or nominees, but at their expense.

I declare under penalty of perjury under the laws of the United States of America that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: October 23, 2000

Masao Kasahara  
Masao KASAHARA, inventor

I declare under penalty of perjury under the laws of the United States of America that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: October 23, 2000

Yasuyuki Murakami  
Yasuyuki MURAKAMI, inventor